

Liberty DXX CrossFire™ Series

Your satisfaction, Our priority.

LIBERTY DXX
No More Limits.



— DUAL QUAD DUAL + $\frac{18}{15}$ —
CPU CORE GRAPHICS DRIVES

400W/500W/620W

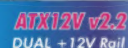
Features



DXX Ready for PCI Express 2.0 / DXX next generation graphic cards with 6+2P (8P) PCI Express connector.



CrossFire™ Certified.
(ENERMAX Liberty DXX CrossFire™ ELT400AWT-01, ELT500AWT-01, ELT620AWT-01)



Full compliance with the highest standard to desktop power requirements. Split 12V rails provide most stable current to CPU, GPU, MB and drives.



Full support of Dual/Quad Core systems (incl. Core 2 Duo/Quad and Athlon 64 X2) & Dual CPU systems



Convertible design to power up ATX/BTX systems and support Dual CPU entry-level server/workstation.



PF value up to 0.99 to provide stable and clean power under 100-240VAC by auto switching.



High efficiency of about 80% under wide load range (30-100%) minimizes your electricity bill.



Special design 12cm fan combines silence and cooling by intelligent speed control.



Protected by OCP, OVP, UVP, OLP, SCP, OTP for maximum safety. Full rated power under 0-40°C/32-104°F ambient temp.



Smarter cable choice and better cable routing for a neat and tidy case.



Unique 4P Molex + SATA connectors in pairs give you free choice on using either PATA or SATA devices.



Support of Dual PCI-E graphics cards.

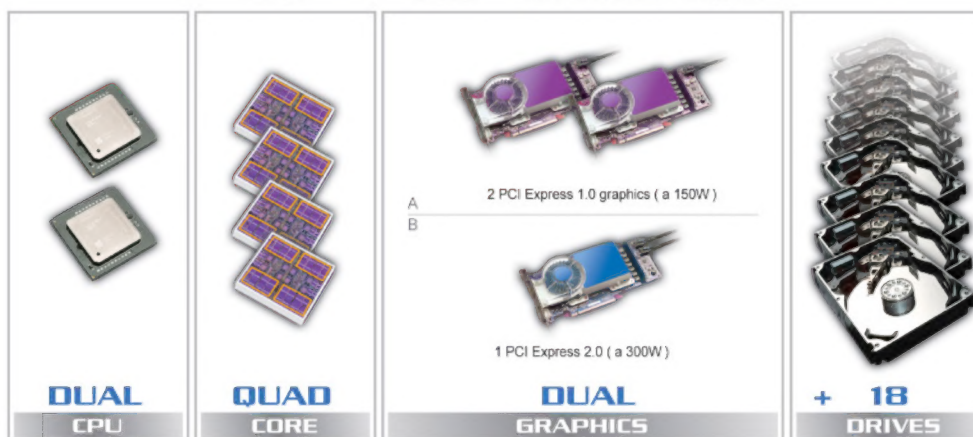


Toughest EMI shielding protects your system and near-by appliances.



DUAL QUAD DUAL + 18

CPU CORE GRAPHICS DRIVES



* Actual maximum support might vary by power consumption of connected components and is limited to DC output specifications

DXX ready

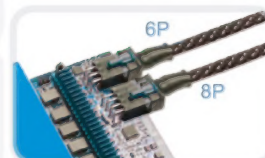
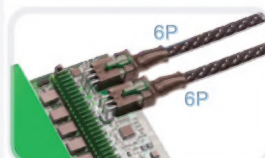
We are



ready

are You?

PCI Express 2.0 was announced on January 15th by the PCI-SIG, an industry group of currently more than 850 companies like AMD, Broadcom, HP, IBM, Intel, LSI Logic, Microsoft and nVIDIA. It defines the standards for the next generation of motherboards and graphic cards, commonly dubbed as DirectX 10 capable. This new architecture effectively boosts their performance and utilization compared to their DirectX 9 / PCI Express 1.0 predecessor enormously and requires a new 8P power connector.



Multiple Protections

Liberty DXX will turn off to protect itself and your system from damage.

	12V1	12V2	3.3V	5V	-12V	+5Vsb
OCP	yes	yes	yes	yes	no	no
OLP	on 110 - 160% on maximum output					
SCP	yes	yes	yes	yes	no	yes
OVP	yes	yes	yes	yes	yes	yes
UVP	yes	yes	yes	yes	no	yes
OTP	yes					

(OCP = Over Current Protection, OLP = Over Load P., SCP = Short Circuit P., OVP = Over Voltage P., UVP = Under Voltage P., OTP = Over Temperature P.)

Certifications & Standards

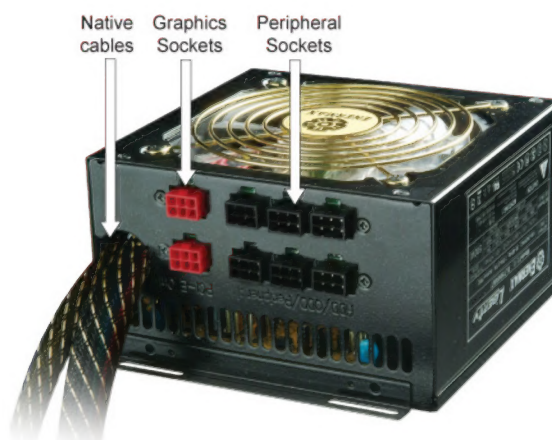
Safety	
EMC	



*Special UL Level 3 class available for OEM/ODM order.

Spec \ Model Name	ELT400AWT-01		ELT500AWT-01		ELT620AWT-01	
AC Input Rating						
Input Voltage	100-240VAC , -50-60Hz,Active PFC					
Current Input	6A -2.5A		7.5A -3.5A		9.5A-4A	
DC Output						
+3.3V	26A	150W	28A	160W	28A	170W
+5V	28A		30A		32A	
+12V1	20A	360W (30A)	22A	384W (32A)	22A	432W (36A)
+12V2	20A		22A		22A	
-12V	0.6A	7.2W	0.6A	7.2W	0.6A	7.2W
+5Vsb	3A	15W	3A	15W	3A	15W
Total Power	400W		500W		620W	

Cables & Connectors



Native Cables

20+4P Mainboard x 1



4+4P CPU 12V x 1



FM(Fan RPM)



Modular Cables

	ELT400AWT-01	ELT500AWT-01	ELT620AWT-01
EMC003: 2 x SATA + 2 x 4P Molex (ETERNITY) 	2	2	3
EMC004: 6P PCI-E 	1	1	1
EMC005: 2 x SATA + 2 x 4P Molex + FDD (ETERNITY + FDD) 	1	2	2
EMC008: 6+2P (8P) PCI-E 2.0 / DXX COMBO CONNECTOR 6+2P PCI-E (To Graphics Card) Connectors to PSU 	1	1	1

*Modular cable configuration might vary for certain regional pack version.